

DATE 10/04/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000025077

APPLICANT PATTI GOODSON

PHONE 755-6795

ADDRESS 337 SW TOMPKINS STREET

LAKE CITY

FL 32024

OWNER MARK GOODSON/FIVE ASH FOREST

PHONE 755.6795

ADDRESS 340 NW TRNBERRY DRIVE

LAKE CITY

FL 32055

CONTRACTOR BRUCE GOODSON

PHONE 755-1783

LOCATION OF PROPERTY 90W, TR ON ROWN ROAD, TR INTO FVE ASH FOREST MHP,
TR ON TURNBERRY DRIVE, 5TH ON RIGHT

TYPE DEVELOPMENT MH,UTILITY

ESTIMATED COST OF CONSTRUCTION

0.00

HEATED FLOOR AREA

TOTAL AREA

HEIGHT

STORIES

FOUNDATION

WALLS

ROOF PITCH

FLOOR

LAND USE & ZONING

RSF2

MAX. HEIGHT

Minimum Set Back Requirments:

STREET-FRONT

25.00

REAR

15.00

SIDE

10.00

NO. EX.D.U.

0

FLOOD ZONE

X

DEVELOPMENT PERMIT NO.

PARCEL ID 28-3S-16-02376-000

SUBDIVISION

FIVE ASH FOREST

LOT 31

BLOCK

PHASE

UNIT 0

TOTAL ACRES

IH0000702

Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

EXISTING

04-0112-N

BK

JH

Y

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD

Check # or Cash 2195

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power

Foundation

Monolithic

date/app. by

date/app. by

date/app. by

Under slab rough-in plumbing

Slab

Sheathing/Nailing

date/app. by

date/app. by

date/app. by

Framing

Rough-in plumbing above slab and below wood floor

date/app. by

date/app. by

Electrical rough-in

Heat & Air Duct

Peri. beam (Lintel)

date/app. by

date/app. by

date/app. by

Permanent power

C.O. Final

Culvert

date/app. by

date/app. by

date/app. by

M/H tie downs, blocking, electricity and plumbing

date/app. by

Pool

date/app. by

Reconnection

Pump pole

Utility Pole

date/app. by

date/app. by

date/app. by

M/H Pole

Travel Trailer

Re-roof

date/app. by

date/app. by

date/app. by

BUILDING PERMIT FEE \$ 0.00

CERTIFICATION FEE \$ 0.00

SURCHARGE FEE \$ 0.00

MISC. FEES \$ 200.00

ZONING CERT. FEE \$ 50.00

FIRE FEE \$ 0.00

WASTE FEE \$

FLOOD DEVELOPMENT FEE \$

FLOOD ZONE FEE \$ 25.00

CULVERT FEE \$

TOTAL FEE 275.00

INSPECTORS OFFICE

CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

PERMIT APPLICATION / MANUFACTURED HOME INSTALLATION APPLICATION

For Office Use Only

(Revised 6-23-05)

Zoning Official

Building Official

AP# 0609-89

Date Received 9/29/06

By G

Permit # 25077

Flood Zone

Development Permit

Zoning

Land Use Plan Map Category

Comments

Sec. 2.3.8 legal non-conforming mobile home park

FEMA Map#

Elevation

Finished Floor

River

In Floodway

☒ Site Plan with Setbacks Shown ☒ EH Signed Site Plan ☐ EH Release ☐ Well letter ☐ Existing well

☒ Copy of Recorded Deed or Affidavit from land owner ☒ Letter of Authorization from installer

- Property ID # 28-35-16-02376-000 Lot 31 Five Ash Forest Must have a copy of the property deed
- New Mobile Home ☒ Used Mobile Home Year 07
- Applicant Patti Goodson Phone # 386-755-6795
- Address 337 SW Tompkins St. LC FL 32024
- Name of Property Owner Same as Above Phone#
- 911 Address 340 NW Turnberry Dr. LC 32055 Lot# 31
- Circle the correct power company - FL Power & Light - Clay Electric
(Circle One) - Suwannee Valley Electric - Progress Energy
- Name of Owner of Mobile Home Same as Above Phone #
- Address
- Relationship to Property Owner Same
- Current Number of Dwellings on Property MTH Park Five Ash
- Lot Size Total Acreage 36
- Do you : Have an Existing Drive or need a Culvert Permit or a Culvert Waiver (Circle one)
- Is this Mobile Home Replacing an Existing Mobile Home no
- Driving Directions to the Property Hwy 90 W to Broward Rd, turn R - turn R into Five Ash Forest Mobile Home Park. Lot# 31
TR on Turnberry Dr, 5th on right
- Name of Licensed Dealer/Installer Bruce Goodson Phone # 386-755-1783
- Installers Address 1505 SW CR 252B LC FL
- License Number TH0000702 Installation Decal # 247388
277965

PERMIT NUMBER

Installer Bruce Goodson License # 7H000702

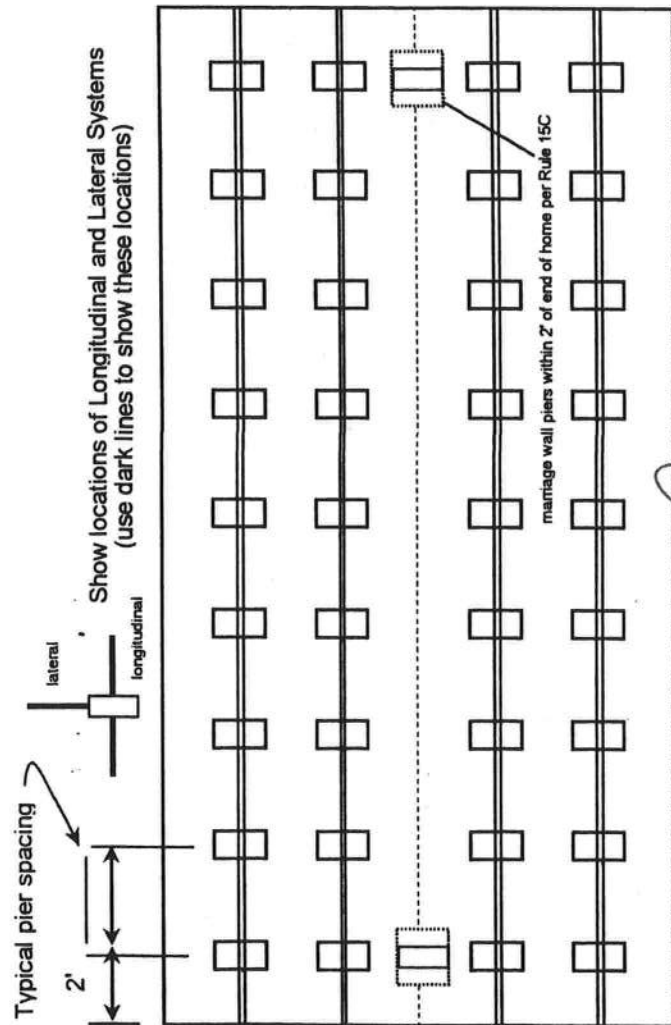
Address of home being installed 340 N.W. Turnberry Dr.

Manufacturer Lake City, FL 32055
Palm Harbor Length x width 54 x 28

NOTE: if home is a single wide fill out one half of the blocking plan
if home is a triple or quad wide sketch in remainder of home

I understand Lateral Arm Systems cannot be used on any home (new or used) where the sidewall ties exceed 5 ft 4 in.

Installer's initials RG



23x31 ABS pads 8' oc
4 galv anchor 5' oc
ABS drive plates
4 galv anchors
(6) 15 kts 54 Arms

New Home ☒ Used Home ☐
Home installed to the Manufacturer's Installation Manual ☒
Home is installed in accordance with Rule 15-C ☐
Single wide ☐ Wind Zone II ☐ Wind Zone III ☐
Double wide ☒ Installation Decal # 207965
Triple/Quad ☐ Serial # PH0916701 A/B FL

PIER SPACING TABLE FOR USED HOMES

Load bearing capacity	Footer size (sq in)	16" x 16" (256)	18 1/2" x 18 1/2" (342)	20" x 20" (400)	22" x 22" (484)*	24" x 24" (576)*	26" x 26" (676)
1000 psf	3'	3'	4'	5'	6'	7'	8'
1500 psf	4'6"	4'6"	6'	7'	8'	8'	8'
2000 psf	6'	6'	8'	8'	8'	8'	8'
2500 psf	7'6"	7'6"	8'	8'	8'	8'	8'
3000 psf	8'	8'	8'	8'	8'	8'	8'
3500 psf	8'	8'	8'	8'	8'	8'	8'

* interpolated from Rule 15C-1 pier spacing table.

PIER PAD SIZES

I-beam pier pad size 23x31
Perimeter pier pad size 16x16
Other pier pad sizes (required by the mfg.) n/a

Draw the approximate locations of marriage wall openings 4 foot or greater. Use this symbol to show the piers.

List all marriage wall openings greater than 4 foot and their pier pad sizes below.

Opening 20 ft Pier pad size 23x31

TIEDOWN COMPONENTS

Longitudinal Stabilizing Device (LSD)
Manufacturer Oliver Tool
Longitudinal Stabilizing Device w/ Lateral Arms
Manufacturer Oliver Tool

POPULAR PAD SIZES

Pad Size	Sq Ft
16 x 16	256
16 x 18	288
18.5 x 18.5	342
16 x 22.5	360
17 x 22	374
13 1/4 x 26 1/4	348
20 x 20	400
17 3/16 x 25 3/16	441
17 1/2 x 25 1/2	446
24 x 24	576
26 x 26	676

ANCHORS

4 ft 5 ft
FRAME TIES

within 2' of end of home spaced at 5' 4" oc

OTHER TIES

Number 22
Sidewall n/a
Longitudinal n/a
Marriage wall 10
Shearwall girders

PERMIT NUMBER

POCKET PENETROMETER TEST

The pocket penetrometer tests are rounded down to or check here to declare 1000 lb. soil without testing. psf

X 1000 X 1000 X 1000

POCKET PENETROMETER TESTING METHOD

1. Test the perimeter of the home at 6 locations.
2. Take the reading at the depth of the footer.
3. Using 500 lb. increments, take the lowest reading and round down to that increment.

X 1000 X 1000 X 1000

TORQUE PROBE TEST

The results of the torque probe test is 275 inch pounds or check here if you are declaring 5' anchors without testing. A test showing 275 inch pounds or less will require 4 foot anchors.

Note: A state approved lateral arm system is being used and 4 ft. anchors are allowed at the sidewall locations. I understand 5 ft anchors are required at all centerline tie points where the torque test reading is 275 or less and where the mobile home manufacturer may requires anchors with 4000 lb. holding capacity.

BG Installer's initials

ALL TESTS MUST BE PERFORMED BY A LICENSED INSTALLER

Installer Name

Bruce Gooden

Date Tested

9/10/06

Electrical

Connect electrical conductors between multi-wide units, but not to the main power source. This includes the bonding wire between multi-wide units. Pg.

Plumbing

Connect all sewer drains to an existing sewer tap or septic tank. Pg.

Connect all potable water supply piping to an existing water meter, water tap, or other independent water supply systems. Pg.

Site Preparation

Debris and organic material removed ✓
Water drainage: Natural ✓ Swale ✓ Pad ✓ Other ✓

Fastening multi wide units

Floor: Type Fastener: long screws Length: 6" Spacing: 24"
Walls: Type Fastener: screws Length: 3" Spacing: 24"
Roof: Type Fastener: straps Length: 24" Spacing: 24"
For used homes a min. 30 gauge, 8" wide, galvanized metal strip will be centered over the peak of the roof and fastened with galv. roofing nails at 2" on center on both sides of the centerline.

Gasket (weatherproofing requirement)

I understand a properly installed gasket is a requirement of all new and used homes and that condensation, mold, mildew and buckled marriage walls are a result of a poorly installed or no gasket being installed. I understand a strip of tape will not serve as a gasket.

Installer's initials BG

Type gasket Pg.

foam

Installed:

Between Floors Yes ✓
Between Walls Yes ✓
Bottom of ridgebeam Yes ✓

Weatherproofing

The bottomboard will be repaired and/or taped. Yes ✓ Pg.
Siding on units is installed to manufacturer's specifications. Yes ✓
Fireplace chimney installed so as not to allow intrusion of rain water. Yes ✓

Miscellaneous

Skirting to be installed. Yes ✓ No ✓
Dryer vent installed outside of skirting. Yes ✓ N/A ✓
Range downflow vent installed outside of skirting. Yes ✓
Drain lines supported at 4 foot intervals. Yes ✓
Electrical crossovers protected. Yes ✓
Other: ✓

Installer verifies all information given with this permit worksheet is accurate and true based on the manufacturer's installation instructions and or Rule 15C-1 & 2

Installer Signature Bruce Gooden

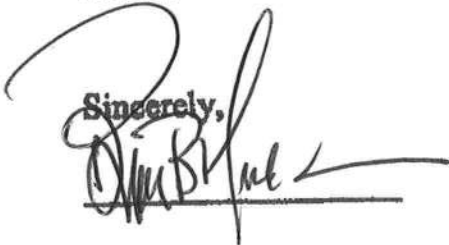
Date 9/10/06

LETTER OF AUTHORIZATION

Date: 9/11/06

Columbia County Building Department
P.O. Box 1529
Lake City, FL 32056

I Bruce Goodson, License No. 7H0000702 do hereby
Authorize Patti or Mark Goodson to pull and sign permits on my
behalf.

Sincerely,


Sworn to and subscribed before me this _____ day of _____, 2006

Notary Public: Susan N. Villegas

My commission expires: 12/15/07

Personally Known ☒

Produced Valid Identification: _____



Susan Nettles Villegas
My Commission DD267694
Expires December 15, 2007

Control # 1604699,0004 of 0006
Date 03/27/06 Hazard
PAID BY: TIMBERLAND MOBILE HOME PARK
1811-7350

ARMENIAN MANUSCRIPT COLLECTION

28-38-18 5500/5500 36.00 Acres
COMM AT NW COR OF MAGNOLIA
HILLS, RUN N 1122.85 FT,
E 700 FT, N 200 FT, E 562.46
FT, S 1337.12 FT, W 1278.04 FT
TO POB. ORB 433-304.

AD VALOREM TAXES

TAXING AUTHORITY		PERCENTAGE RATE (SEE CAP. 117 FOR SUBJECT TAXABLE VALUE)	TAXES LEVIED
C001	BOARD OF COUNTY COMMISSIONERS	8.7260	763.70
8002	COLUMBIA COUNTY SCHOOL BOARD		
	DISCRETIONARY	.7800	66.52
	LOCAL	5.1950	454.67
	CAPITAL OUTLAY	2.0000	175.04
W SR	SUWANNEE RIVER WATER MGT DIST	.4914	43.01
HLSH	SHANDS AT LAKE SHORE	1.7500	153.16
IIDA	INDUSTRIAL DEVELOPEMENT AUTH	.1360	12.08

TOTAL MILLAGE	19.0804	AD VALOREM TAXES	\$1,000.00
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NON-AD VALOREM ASSESSMENTS

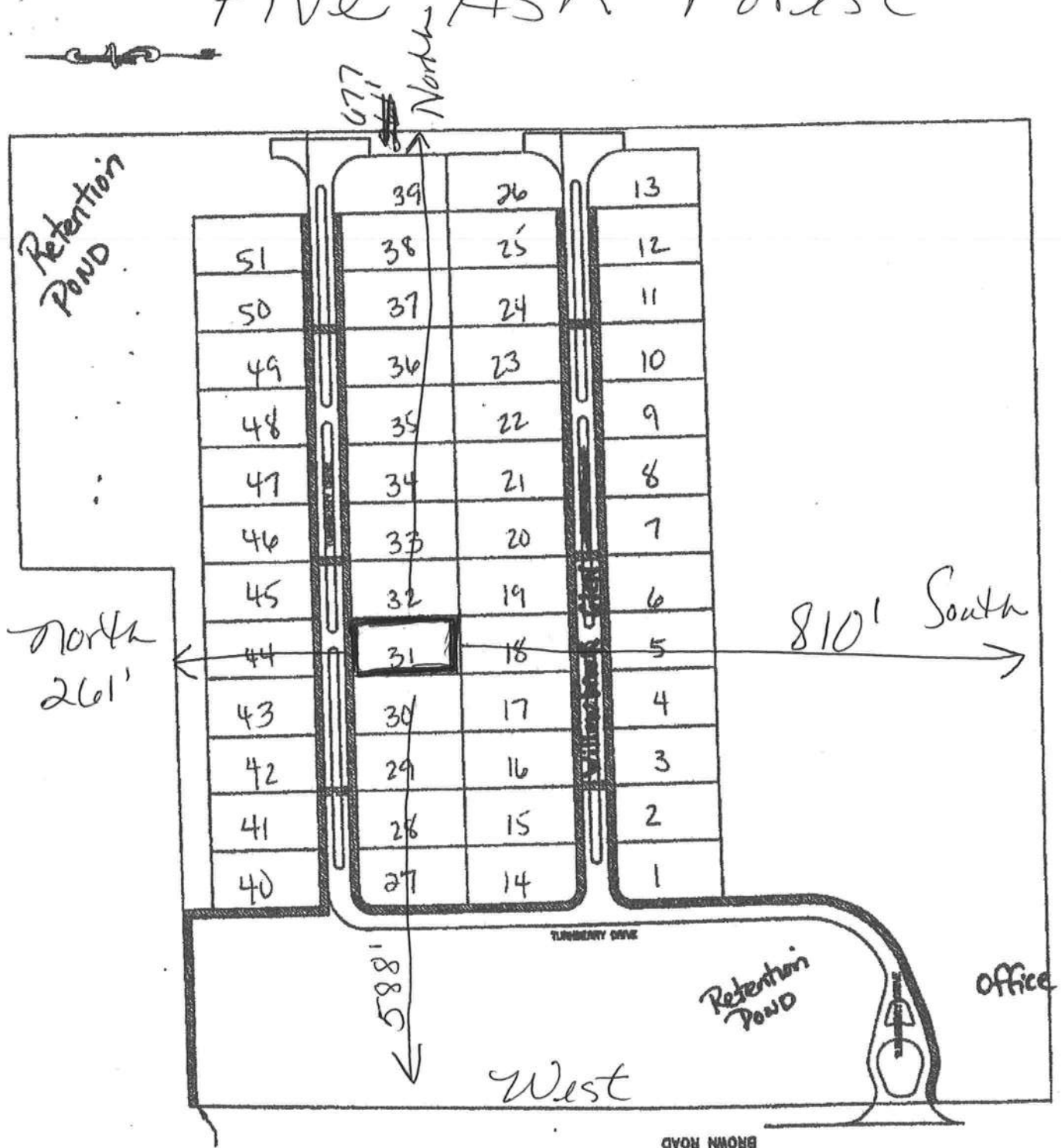
LEVYING AUTHORITY	RATE	AMOUNT
FPFR FIRE ASSESSMENTS		143.55

PAY ONLY ONE AMOUNT IN YELLOW SHADED AREA		NON-AD VALOREM ASSESSMENTS		\$142.55
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COMBINED TAXES AND ASSESSMENTS	\$1,811.73	PAY ONLY ONE AMOUNT	See reverse side for important information.
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IF PAID BY PLEASE PAY	Nov 30 1,739.26	Dec 31 1,757.38	Jan 31 1,775.50	Feb 28 1,793.61	Mar 31 1,811.73
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Five Ash Forest



LOT #'s

3.1. BLOCKING AND LEVELING PROCEDURE:

3.1.1. STEP 1.

Confirm the home is structurally designed for the geographical area for which the home is to be installed by examining the structural design maps shown on the Data Plate located inside the home.

Use the "Design Roof Load Zone Map" and the "Design Wind Zone Map" shown in SECTION 1 to determine the zone (South, Middle or North) where the home is to be installed. Use Table 1 for the Roof Load Zone to determine if perimeter blocking is required. Some homes, constructed with an optional structural package, may not require perimeter blocking and will be indicated as such on the Data Plate. Where greater roof live loads (snow loads) have been determined to exist in localized areas by the authority having jurisdiction through surveys or experience, such roof live loads shall apply and perimeter blocking may be required. See pier plan and/or DATA plate for design load of the home. Likewise, a home designed for higher roof loads may be installed in a lower roof zone.

Example, a home designed for 30 PSF roof live load (obtained from the Data Plate) may be installed in the South Zone requiring only 20 PSF roof live load. The rows designated "South" in Table 1 may then be used to determine pier spacing and if perimeter blocking is required.

3.1.2. STEP 2.

If it was determined in Step 1 that perimeter blocking **IS NOT** required for the installation, use Table 1. Locate the rows that correspond to the zone for which the home is to be installed (South, Middle or North). Select the row with the soil bearing equal to or lower than the bearing capacity established earlier.

If it was determined in Step 1 that perimeter blocking **IS** required for the installation, use Table 2, locate the rows that correspond to the zone for which the home is to be installed (South, Middle or North). Select the row with the soil bearing equal to or lower than the bearing capacity established earlier.

3.1.3. STEP 3.

Using Table 1 or Table 2 determined in Step 2, locate the column(s) that correspond to the width of each section and the footer size selected.

3.1.4. STEP 4.

At the intersection of the columns and rows determined in Steps 2 and 3 ascertain the required pier spacing to be placed at the I-Beams of each section. **Spacing of the piers is measured from center to center.**

3.1.5. STEP 5.

Determine the type of pier to be used based on the "AVERAGE" height of the piers installed. Refer to the "Typical Pier Design" Section. "AVERAGE" means piers installed in at least 75% of the overall length of the unit, must not be less than 12" high.

(See Section 2 for detail).

Note: Table 1 and Table 2 are based on typical 16x16x4 footing pads. When other types or size of pads are used, refer to Table 1.1, for I-Beam piers only, or Table 2.1, for perimeter piers. These tables list minimum pier design loads for various floor widths when spaced 4, 6 or 8 ft on center. The capacity of the desired pad for the soil conditions present must be equal to or greater than the load listed for the desired spacing. See also example in the Notes for Table 2 and 2.1.

3.2. TABLE 1 AND 1.1

TABLE 1

PIER SPACING TABLES - FIXED SIZE FOOTING PAD
I-BEAM PIERS ONLY (WITHOUT PERIMETER BLOCKING) - SEE NOTE (1)

ROOF LOAD ZONE	ROOF LIVE LOAD (PSF)	SOIL CAPACITY (PSF)	SPANS							
			16"x16"x4" OR DOUBLE 8"x16"x4" (NOTE 3)				DOUBLE 16"x16"x4" (SEE NOTE 3)			
			12-WIDE	14-WIDE	16-WIDE	18-WIDE	12-WIDE	14-WIDE	16-WIDE	18-WIDE
SOUTH	20	1000	3'-2"	2'-8"	2'-6"	2'-3"	6'-6"	6'-8"	6'-3"	4'-9"
		1500	4'-10"	4'-2"	3'-11"	3'-8"	8'-0"	8'-0"	7'-7"	6'-9"
		2000	6'-7"	5'-8"	5'-3"	4'-8"	8'-0"	8'-0"	8'-0"	8'-0"
		2500	8'-0"	7'-2"	6'-8"	5'-11"	8'-0"	8'-0"	8'-0"	8'-0"
		3000	8'-0"	8'-0"	8'-0"	7'-2"	8'-0"	8'-0"	8'-0"	8'-0"
MIDDLE	30	1000	N/A	N/A	N/A	N/A	5'-9"	5'-0"	4'-5"	4'-2"
		1500	4'-3"	3'-8"	3'-6"	3'-1"	8'-0"	7'-2"	6'-6"	6'-0"
		2000	5'-9"	5'-0"	4'-8"	4'-2"	8'-0"	8'-0"	8'-0"	7'-7"
		2500	7'-3"	6'-3"	5'-11"	5'-3"	8'-0"	8'-0"	8'-0"	8'-0"
		3000	8'-0"	7'-7"	7'-2"	6'-4"	8'-0"	8'-0"	8'-0"	8'-0"

CAUTION: SPANS LISTED IN SHADED AREAS ABOVE FOR MIDDLE ZONE, MAY ONLY BE USED WHEN THE DATA PLATE INDICATES "NO PERIMETER BLOCKING REQUIRED". OTHERWISE, USE TABLE 2 BELOW.

NORTH	40	ALL	PERIMETER BLOCKING REQUIRED USE TABLE 2 !!
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TABLE 1.1

PIER LOAD TABLES FOR VARIOUS SPACINGS
I-BEAM PIERS ONLY (WITHOUT PERIMETER BLOCKING) - SEE NOTE (1)

ROOF LOAD ZONE	ROOF LIVE LOAD (PSF)	PIER SPACING	FOOTER LOAD (POUNDS)			
			12-WIDE	14-WIDE	16-WIDE	18-WIDE
SOUTH	20	4'-0"	2410	2690	2980	3300
		6'-0"	3500	3920	4360	4840
		8'-0"	4600	5155	5740	6380
MIDDLE	30	4'-0"	2700	3000	3330	3690
		6'-0"	3930	4300	4885	5425
		8'-0"	5170	5780	6440	7160

CAUTION: SPANS LISTED IN HIGH LIGHTED AREAS ABOVE FOR MIDDLE ZONE, MAY ONLY BE USED, WHEN THE DATA PLATE INDICATES "NO PERIMETER BLOCKING REQUIRED". OTHERWISE, USE TABLE 2 BELOW.

NORTH	40	ALL	PERIMETER BLOCKING REQUIRED USE TABLE 2 !!
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Notes for Table 1 and 1.1

- Maximum Spacing for I-Beam piers when used WITHOUT perimeter Blocking is 8'-0" or the span listed in Table 1, whichever is less.
- The distance between any adjacent piers may deviate from the listed spacing by 10%, so long as the overall average distance between piers is equal to or less than the listed spacing.
- See footer details in section 2 for double footer configurations.
- For 2x10 min. lumber footers, use pier spacing tabulated in the 16x16x4 column. Refer also to lumber footer configurations and requirements in Section 2 of this manual.
- All the above requirements must be adhered to when a min. 4" thick slab is installed. For pier spacing on the slab, the double 16x16x4 column may be used. The slab may count as the bottom layer of required pads as shown in Section 2. Special designs are required for slabs located in areas prone to frost heave. Special designs are also required for 'ribbon' footing designs.
- For 500 psf soil, size the footing using the pier load table and the footing capacity table.

3.3. TABLE 2 AND 2.1

TABLE 2

PIER SPACING TABLES - FIXED SIZE FOOTING PAD
I-BEAM PIERS WITH PERIMETER BLOCKING - SEE NOTE (1)

PIER LOCATION	ROOF LIVE LOAD (PSF)	SOIL CAPACITY (PSF)	SPANS								
			16"x16"x4" OR DOUBLE 8"x16"x4" (NOTE 5)				DOUBLE 16"x16"x4" (SEE NOTE 5)				
			12-WIDE	14-WIDE	16-WIDE	18-WIDE	12-WIDE	14-WIDE	16-WIDE	18-WIDE	
SOUTH	I-BEAM	20	1000	5'-11"	5'-1"	4'-6"	4'-0"	12'-0"	10'-7"	9'-4"	8'-3"
			1500	9'-2"	7'-10"	6'-11"	5'-2"	12'-0"	12'-0"	12'-0"	12'-0"
			2000	12'-0"	10'-7"	9'-4"	8'-3"	12'-0"	12'-0"	12'-0"	12'-0"
			2500	12'-0"	12'-0"	11'-9"	10'-5"	12'-0"	12'-0"	12'-0"	12'-0"
			3000	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"
	PERIMETER (SEE NOTE 2)	20	1000	5'-8"	4'-8"	4'-8"	3'-10"	8'-0"	8'-0"	8'-0"	8'-0"
			1500	8'-0"	7'-3"	6'-10"	6'-0"	8'-0"	8'-0"	8'-0"	8'-0"
			2000	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"
			2500	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"
			3000	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"
I-BEAM	30	1000	5'-11"	5'-1"	4'-6"	4'-0"	12'-0"	10'-7"	9'-4"	8'-3"	
		1500	9'-2"	7'-10"	6'-11"	6'-2"	12'-0"	12'-0"	12'-0"	12'-0"	
		2000	12'-0"	10'-7"	9'-4"	8'-3"	12'-0"	12'-0"	12'-0"	12'-0"	
		2500	12'-0"	12'-0"	11'-9"	10'-5"	12'-0"	12'-0"	12'-0"	12'-0"	
		3000	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	
PERIMETER (SEE NOTE 2)	30	1000	4'-7"	3'-10"	3'-8"	3'-2"	8'-0"	8'-0"	7'-6"	6'-8"	
		1500	7'-0"	5'-10"	5'-8"	5'-0"	8'-0"	8'-0"	8'-0"	8'-0"	
		2000	8'-0"	8'-0"	7'-8"	6'-8"	8'-0"	8'-0"	8'-0"	8'-0"	
		2500	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	
		3000	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	
MIDDLE	I-BEAM	40	1000	6'-11"	5'-1"	4'-6"	4'-0"	12'-0"	10'-7"	9'-4"	8'-3"
			1500	9'-2"	7'-10"	6'-11"	6'-2"	12'-0"	12'-0"	12'-0"	12'-0"
			2000	12'-0"	10'-7"	9'-4"	8'-3"	12'-0"	12'-0"	12'-0"	12'-0"
			2500	12'-0"	12'-0"	11'-9"	10'-5"	12'-0"	12'-0"	12'-0"	12'-0"
			3000	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"
	PERIMETER (SEE NOTE 2)	40	1000	3'-10"	3'-3"	3'-2"	2'-9"	8'-0"	6'-8"	6'-6"	5'-8"
			1500	5'-11"	5'-0"	4'-10"	4'-3"	8'-0"	8'-0"	8'-0"	8'-0"
			2000	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"
			2500	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"
			3000	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"
NORTH	I-BEAM	40	1000	6'-11"	5'-1"	4'-6"	4'-0"	12'-0"	10'-7"	9'-4"	8'-3"
			1500	9'-2"	7'-10"	6'-11"	6'-2"	12'-0"	12'-0"	12'-0"	12'-0"
			2000	12'-0"	10'-7"	9'-4"	8'-3"	12'-0"	12'-0"	12'-0"	12'-0"
			2500	12'-0"	12'-0"	11'-9"	10'-5"	12'-0"	12'-0"	12'-0"	12'-0"
			3000	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"
	PERIMETER (SEE NOTE 2)	40	1000	3'-10"	3'-3"	3'-2"	2'-9"	8'-0"	6'-8"	6'-6"	5'-8"
			1500	5'-11"	5'-0"	4'-10"	4'-3"	8'-0"	8'-0"	8'-0"	8'-0"
			2000	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"
			2500	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"
			3000	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"

TABLE 2.1

PIER SPACING TABLES - FIXED SIZE FOOTING PAD
I-BEAM PIERS WITH PERIMETER BLOCKING - SEE NOTE (1)

I-BEAM PIERS WITH PERIMETER DOUBLES (SEE NOTE 3)												
PIER LOCATION	ROOF LIVE LOAD (PSF)	PIER SPACING	FOOTER LOAD (POUNDS)									
			12-WIDE	14-WIDE	16-WIDE	18-WIDE						
SOUTH	I-BEAM	20	4'-0"	965	1080	1150	1240	CENTERLINE PIERS FOR DOUBLEWIDES (SEE NOTE 3)				
			6'-0"	1450	1585	1715	1855					
			8'-0"	1925	2115	2285	2475					
			10'-0"	2405	2645	2880	3095					
			12'-0"	2890	3170	3430	3710					
	PERIMETER (see Note 2)	20	4'-0"	1190	1360	1550	1780	2055	2475	2880	3280	
			6'-0"	1780	2035	2325	2640	3080	3710	4290	4920	
			8'-0"	2375	2715	3100	3520	4110	4950	5720	6560	
	MIDDLE	I-BEAM	30	4'-0"	965	1080	1150	1240	CENTERLINE PIERS FOR DOUBLEWIDES (SEE NOTE 3)			
				6'-0"	1450	1585	1715	1855				
				8'-0"	1925	2115	2285	2475				
				10'-0"	2405	2645	2880	3095				
				12'-0"	2890	3170	3430	3710				
		PERIMETER (see Note 2)	30	4'-0"	1475	1670	1900	2150	2520	3020	3480	3980
6'-0"				2210	2505	2850	3225	3780	4530	5220	5970	
8'-0"				2950	3340	3800	4300	5040	6040	6960	7960	
NORTH		I-BEAM	40	4'-0"	965	1080	1150	1240	CENTERLINE PIERS FOR DOUBLEWIDES (SEE NOTE 3)			
				6'-0"	1460	1585	1715	1855				
				8'-0"	1925	2115	2285	2475				
				10'-0"	2405	2645	2860	3095				
				12'-0"	2890	3170	3430	3710				
		PERIMETER (see Note 2)	40	4'-0"	1780	1985	2250	2540	2960	3570	4100	4680
	6'-0"			2640	2975	3375	3810	4480	5350	6160	7020	
	8'-0"			3520	3970	4500	5080	5975	7135	8200	9380	

Notes for Tables 2 and 2.1

1. Maximum I-Beam pier spacing as shown in Table 2 above for fixed size footing pads, or adjusted to larger area footing pads based on loads in Table 2.1. For either case, the maximum I-Beam pier spacing is 8'-0" for 8" I-beam chassis, 10'-0" for 10" I-Beam and 12'-0" for 12" I-Beam chassis.
2. Perimeter pier spacing as shown in Table 2, or adjusted to larger footing pads per loads in Table 2.1, but in no case greater than 8'-0".
3. When perimeter piers are required, additional piers must be installed along the mating line of multiple section units where mating walls exist. Piers are not required in open span areas. Where mating walls exist on one section only, the maximum spacing is the same as the perimeter spacing as determined in 1 and 2 above. Where mating walls are directly opposite to each other (one on each section), the maximum spacing is half the perimeter spacing, or as determined for combined loading in Table 2.1 above. These piers are in addition to the piers located at open span area columns. (see also Section 4)
4. The distance between any adjacent piers may deviate from the listed spacing by 10%, so long as the overall average distance between piers is equal to or less than the listed spacing.
5. See footer details in Section 2 for double footer configurations.
6. For 2x10 min. lumber footers, use pier spacing tabulated in the 16x16x4 column. Refer also to lumber footer configurations and requirements in Section 2 of this manual.
7. All the above requirements must be adhered to when a min. 4" thick slab is installed. For pier spacing on the slab, the double 16x16x4 column may be used. The slab may count as the bottom layer of required pads as shown in Section 2. Special designs are required for slabs located in areas prone to frost heave. Special designs are also required for 'ribbon' footing designs.
8. For 500 psf soil, size the footing using the pier load table and the footing capacity table.
9. Example for using Alternate Tables 1.1 and 2.1: alternate pad desired has 1800 LBS bearing capacity in 1000 PSF soil. The home is a 14 wide to be installed in the 20 PSF roof load zone using perimeter blocking.
 - a) In Table 2.1, find the column for a 14 wide floor.
 - b) Going down the column find a load which is equal to or less than the pad capacity of 1800 LBS. make sure to line up with the appropriate roof load (20 or 'South' zone).
 - c) From the table, read maximum spacing for I-Beam piers. Load at 8'-0" pier spacing is 2115Lbs, NO GOOD since pad capacity is 1800 LBS max. Load at 6'-0" is 1585lbs, OK since less than pad capacity. → I-Beam piers may be at max. 6'-0"
 - d) Repeat procedure for perimeter piers. Load at 6'-0" is 2035 LBS > 1800 LBS → No Good
Load at 4'-0" is 1360 LBS < 1800 LBS → OK

3.4. FOOTING CAPACITY TABLE:

FOOTING SIZE (in.)	SOIL CAPACITY (PSF)					
	500	1,000	1,500	2,000	2,500	3,000
16 x 16 x 4	600	1,490	2,377	3,265	4,154	5,150
16 x 32 x 4	1,490	3,266	4,743	6,289	7,500	8,681
18 x 18 x 4	835	1,960	3,085	4,192	5,317	6,442
20 x 20 x 4	1,090	2,490	3,877	5,228	6,617 *	8,006 *
24 x 24 x 6	1,700	3,710	5,710	7,555	9,555 *	11,329 *
30 x 30 x 6	2,835	5,960	9,085 *	11,706 *	14,831 *	17,956 *

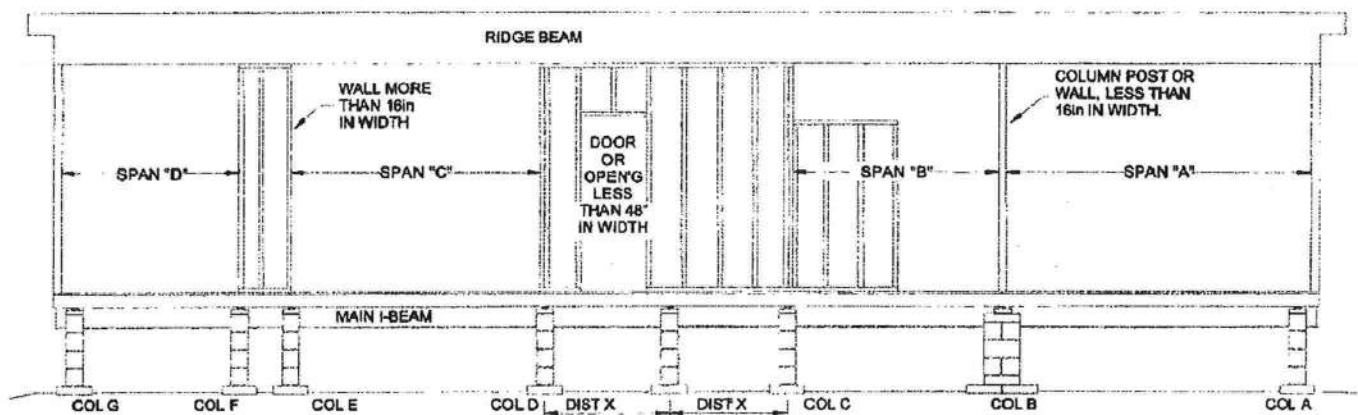
Notes:

1. Footers for loads exceeding 8,000LBS, or for the condition indicated by "**", require double stacked block piers (see pier 'B' and pier 'C').
2. 16x32x4 footer consists of double stacked 16x16x4. See footer details.
3. For double 2x10 min. lumber footings, use the loads tabulated for 18x18x4 footers.
4. These footing loads are also applicable when an equal thickness of slab is installed.
5. Pre-manufactured footers may alternatively be used within the terms of their approval and max. load capacity.



3.5. COLUMN LOADS:

The following tables may be used to determine column loads when a load and pier diagram was not provided with the home. Make sure to use the Table corresponding with the roof load zone the home is installed in. **NOTE:** Column loads are for individual sections. Loads for adjacent columns (one each section, directly across from each other), must be added together.



Example: A 26 wide consisting of a 12 & 14 wide section is installed in Roof Load Zone SOUTH. Determine total loads for COL A, B, and C.

Span "A" = 12 ft, Span "B" = 10 ft.

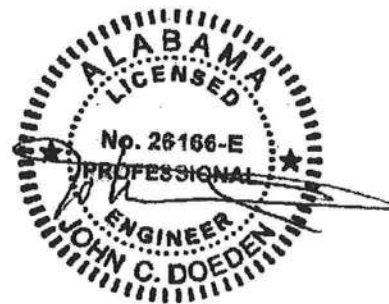
COL A: Span "A" to COL B is 12 ft. From table below for "SOUTH" zone, the load for the 12 wide is 1166 lbs. and for the 14 wide, 1366 lbs. Total Load for COL A = 1166 + 1366 = 2532 lbs.

COL B: Since COL B carries the loads from SPAN "A" and "B", the total span is 22 ft. Checking the table (SOUTH) for a 22 ft span on a 12wide, the load is 2041 lbs. The load for the 14 wide section is 2391 lbs., for a combined total load at COL B of 4432 lbs.

COL C: Span "B" to COL C is 10 ft. From table below (SOUTH), the load for the 12 wide section is 991 lbs. and 1161 lbs. for the 14 wide section. Total load for COL C = 991 + 1161 = 2152 lbs.

The remainders of the column loads in this example are determined the same way as COL C. To determine pier and footer load at each column add any opposing column load from the mating section using the same procedure for the corresponding spans in that section.

DISTANCE "X" must be added to the span distance when perimeter blocking is required by design, in addition, add 500 lbs. to each side as well.



Marriage line column loads for Roof Load Zone **SOUTH** 20 PSF

Nominal width	max. section width (in)	Max. Marriage wall opening (ft)										
		4	6	8	10	12	14	16	18	20	22	24
12 wide	140	466	641	816	991	1166	1341	1516	1691	1866	2041	2216
14 wide	164	546	751	956	1161	1366	1571	1776	1981	2186	2391	2596
16 wide	186	620	852	1085	1317	1550	1782	2015	2247	2480	2712	2945
18 wide	210	700	962	1225	1487	1750	2012	2275	2537	2800	3062	3325

Column Load Tables continued...

Marriage line column loads for Roof Load Zone **MIDDLE** 30 PSF

Nominal width	max. section width (in)	Max. Marriage wall opening (ft)										
		4	6	8	10	12	14	16	18	20	22	24
12 wide	140	622	855	1089	1322	1555	1789	2022	2255	2489	2722	2955
14 wide	164	728	1002	1275	1548	1822	2095	2368	2642	2915	3188	3462
16 wide	186	826	1136	1446	1756	2066	2376	2686	2996	3306	3616	3926
18 wide	210	933	1283	1633	1983	2333	2683	3033	3383	3733	4083	4433

Marriage line column loads for Roof Load Zone **NORTH** 40 PSF

Nominal width	max. section width (in)	Max. Marriage wall opening (ft)										
		4	6	8	10	12	14	16	18	20	22	24
12 wide	140	777	1069	1361	1652	1944	2236	2527	2819	3111	3402	3694
14 wide	164	911	1252	1594	1936	2277	2619	2961	3302	3644	3986	4327
16 wide	186	1033	1420	1808	2195	2583	2970	3358	3745	4133	4520	4908
18 wide	210	1166	1603	2041	2478	2916	3353	3791	4228	4666	5103	5541

